

ATTACHMENT C Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-54. (Cancelled)

55. (Currently Amended) An intervertebral implant ~~constructed to be inserted~~
insertable between adjacent vertebrae, comprising,

an upper part having an upper surface for engaging a vertebrae and a lower surface which includes a rounded portion,

a lower part having a lower surface for engaging a vertebrae and an upper surface portion in operative engagement with the rounded portion of the upper part,

said implant being constructed to be the sole implant in its intervertebral space,

the implant having a lead end which leads as the implant is inserted along a path into the intervertebral space and a trailing end opposite the lead end, and lateral planes ~~passing through opposed side surfaces~~ which pass through the outermost boundaries of the implant and parallel to the said path, and

a single anchor on each of the upper surface of the upper part and the lower surface of the lower part, each said anchor being elongated, having a height greater than its width, and located along a line parallel to said ~~path and path~~, the two anchors lying essentially in the same vertical plane, which plane is essentially midway between said lateral planes ~~and of a height sufficient to be received in planes~~, each said anchor being adapted to enter a groove cut into in the adjacent vertebrae as the implant moves

along said path into the intervertebral space, to anchor its respective part to the vertebrae which its surface engages.

56. (Previously Presented) An intervertebral implant according to claim 55, wherein the rounded portion of the upper part is concave and the upper surface portion of the lower part is convex.

57. (Previously Presented) An intervertebral implant according to claim 56, wherein the lower part is formed in two pieces including a lower piece which has the said lower surface and an upper piece which has the upper surface portion.

58. (Previously Presented) An intervertebral implant according to claim 55, wherein the height of at least one anchor is greater than the height of the remainder of its respective part.

59. (Previously Presented) An intervertebral implant according to claim 58, wherein each anchor is greater in height than the remainder of its respective part.

60. (Previously Presented) An intervertebral implant according to claim 55, the length of at least one anchor in the direction along the midline being greater than one half of the entire front to rear dimension of its respective part.

61. (Previously Presented) An intervertebral implant according to claim 60, wherein the length of both anchors in the direction along the midline are greater than one half of the entire front to rear dimension of their respective upper or lower part.

62. (Previously Presented) An intervertebral implant according to claim 55, wherein the rounded portion of the upper part and the upper surface portion of the lower part are spherical.

63. (Previously Presented) An intervertebral implant according to claim 55, the upper and lower parts, in plan view, being generally rectangular.

64. (Previously Presented) An intervertebral implant according to claim 63, wherein the single anchors are substantially parallel to the shorter sides of the generally rectangular shape of the upper and lower parts.

65. (Previously Presented) An intervertebral implant according to claim 55, including apertures in the trailing ends of the upper and lower parts for receiving inserting instruments.

66. (Previously Presented) An intervertebral implant according to claim 55, said anchors having teeth to prevent removal from their respective grooves.

67. (Previously Presented) An intervertebral implant according to claim 55, wherein the rounded portion of the upper part is partially spherical and concave, and the upper surface portion of the lower part is partially spherical and convex.

68. (Previously Presented) An intervertebral implant according to claim 67, wherein the lower part is formed in two pieces, including a lower piece which has the lower surface thereon and an upper piece which fits into a recess in the lower piece and has the said partially spherical and convex portion.

69. (Previously Presented) An intervertebral implant according to claim 68, wherein, in the absence of the upper piece of the lower part, the rounded portion of the upper part can nest into the recess in the lower piece.

70. (Previously Presented) An intervertebral implant according to claim 69, wherein, in the nested condition, the overall height of the upper and lower parts is less than the additive total height of the upper and lower parts, taken separately.

71. (Previously Presented) An intervertebral implant according to claim 68, wherein the recess in the lower part is a generally flat surface with three walls including two opposite side walls and an end wall and including an opening opposite the end wall.

72. (Previously Presented) An intervertebral implant according to claim 71, wherein the upper piece of the lower part includes a means for snap fitting into the lower piece of the lower part.

73. (Currently Amended) An intervertebral implant ~~constructed to be inserted~~ insertable between adjacent vertebrae, comprising,

a generally rectangular upper part having an upper surface for engaging a vertebrae and a lower surface which includes a rounded portion,

a generally rectangular lower part having a lower surface for engaging a vertebrae and having an upper surface portion in operative engagement with the rounded portion of the upper part, ~~and;~~

said implant being constructed to be the sole implant in its intervertebral space,
one of the longer sides of the generally rectangular upper and lower parts
comprising a leading end and the other of the longer sides of the generally rectangular
upper and lower parts being a trailing end as the implant is moved in an insertion
direction to be inserted into the intervertebral space, and

a single anchor on each of the upper surface of the upper part and the lower surface of the lower part, the two single anchors being elongated, each having a height greater than its width, and the two single anchors lying in essentially the same vertical plane, which plane is located essentially midway between the short sides of the generally rectangular upper and lower parts and thus parallel to the insertion direction, and each anchor being ~~of a height sufficient to be received in~~ adapted to enter a groove ~~cut into~~ in the adjacent vertebrae as the implant moves in said insertion direction into

the intervertebral space, to anchor its respective part to the vertebrae which its surface engages.

74. (Previously Presented) An intervertebral implant according to claim 73, wherein the rounded portion of the upper part is concave and the upper surface portion of the lower part is convex.

75. (Previously Presented) An intervertebral implant according to claim 74, wherein the lower part is formed in two pieces including a lower piece which has the said lower surface and an upper piece which has the upper surface portion.

76. (Previously Presented) An intervertebral implant according to claim 73, wherein the height of at least one anchor is greater than the height of the remainder of its respective part.

77. (Previously Presented) An intervertebral implant according to claim 76, wherein each anchor is greater in height than the remainder of its respective part.

78. (Currently Amended) An intervertebral implant according to claim 73, the length of at least one anchor in the insertion direction ~~along the midline~~ being greater than one half of the entire ~~front to rear~~ dimension of its respective part in the insertion direction from said leading end to said trailing end.

79. (Currently Amended) An intervertebral implant according to claim 78, wherein the length of both anchors in the insertion direction ~~along the midline~~ are greater than one half of the entire ~~front to rear~~ dimension of their respective upper or lower part in the insertion direction from said leading end to said trailing end.

80. (Previously Presented) An intervertebral implant according to claim 73, wherein the rounded portion of the upper part and the upper surface portion of the lower part are spherical.

81. (Previously Presented) An intervertebral implant according to claim 73, wherein the rounded portion of the upper part is partially spherical and concave, and the upper surface portion of the lower part is partially spherical and convex.

82. (Previously Presented) An intervertebral implant according to claim 81, wherein the lower part is formed in two pieces, including a lower piece which has the lower surface thereon and an upper piece which fits into a recess in the lower piece and has the said partially spherical convex portion.

83. (Previously Presented) An intervertebral implant according to claim 82, wherein, in the absence of the upper piece of the lower part, the rounded portion of the upper part can nest into the recess in the lower part.

84. (Previously Presented) An intervertebral implant according to claim 83, wherein, in the nested condition, the overall height of the upper and lower parts is less than the additive total height of the upper and lower parts, taken separately.

85. (Previously Presented) An intervertebral implant according to claim 82, wherein the recess in the lower part is a generally flat surface with three walls including two opposite side walls and an end wall and including an opening opposite the end wall.

86. (Previously Presented) An intervertebral implant according to claim 85, wherein the second upper piece of the lower part includes a means for snap fitting into the first lower piece of the lower part.